Patent claims

1. A surfactant/solvent system for liquid organic formulations, characterized in that it comprises
   - one or more aromatic-based surfactants and
   - one or more completely esterified organic phosphates and/or phosphonates which are as polar as possible, but which at the same time are water-insoluble or soluble in water to 5 g/l, as solvent.

2. The surfactant/solvent system as claimed in claim 1, characterized in that it comprises one or more aromatic-based surfactants from the group
   b1.1) phenols, phenyl (C_1-C_4)alkyl ethers or (poly)alkoxylated phenols,
   b1.2) (poly)alkylphenols or (poly)alkylphenol alkoxylates,
   b1.3) polyarylphenols or polyarylphenol alkoxylates,
   b1.4) compounds which formally represent the reaction products of the molecules described under b1.1) to b1.3) with sulfuric acid or phosphoric acid, and their salts neutralized with suitable bases,
   b1.5) (poly)alkyl- and (poly)arylbenzenesulfonates which are acidic and have been neutralized with suitable bases.

3. The surfactant/solvent system as claimed in claim 1 or 2, characterized in that it comprises one or more aromatic-based surfactants from the group
   - phenol reacted with 4 to 10 mol of ethylene oxide,
   - triisobutylphenol reacted with 4 to 50 mol of ethylene oxide,
   - nonylphenol reacted with 4 to 50 mol of ethylene oxide,
   - tristyrylphenol reacted with 4 to 150 mol of ethylene oxide and
   - acidic (linear) dodecylbenzenesulfonate.

4. The surfactant/solvent system as claimed in any of claims 1 to 3, characterized in that it comprises one or more compounds from the group
   b2.1) largely water-insoluble polar esters of phosphoric acid with alcohols from the group comprising phosphoric esters with

- monohydric alkanols having 5 to 22 carbon atoms,
- diols or polyols,
- aryl, alkylaryl, poly(alkyl)aryl or poly(arylalkyl)aryl alcohols,
- alkoxylated alcohols obtained by reacting the abovementioned alcohols with alkylene oxides, or
- alkoxylated alcohols obtained by reacting monohydric alkanols with 1 to 4 carbon atoms and alkylene oxides,

where the 3 alcohol components of the phosphoric ester can be identical or different and are chosen such that the ester can be used as a largely water-insoluble polar solvent, and

b2.2) largely water-insoluble and also polar phosphonates based on alkyl-, aryl-, alkylaryl-, poly(alkyl)aryl- or poly(arylalkyl)arylphosphonic acids diesterified with alcohols and/or alkoxylated alcohols, with alcohols from the group

- monohydric alkanols having 1 to 22 carbon atoms,
- diols or polyols,
- aryl, alkylaryl, poly(alkyl)aryl and poly(arylalkyl)aryl alcohols or
- alkoxylated alcohols obtained by reacting the abovementioned alcohols with alkylene oxides, preferably (C_1-C_4)alkylene oxides,

as the respective alcohol component, where the 2 alcohol components of the phosphonic ester can be identical or different and are chosen such that the ester can be used as a largely water-insoluble polar solvent.

5. The surfactant/solvent system as claimed in any of claims 1 to 4, characterized in that it comprises one or more compounds from the group

- orthophosphoric acid triesterified with alkoxylated short-chain alcohols having 1 to 22 carbon atoms in the alkyl radical and 1 to 30 alkyleneneoxy units in the polyalkyleneoxy moiety,
- orthophosphoric acid triesterified with alkyl alcohols having 5 to 22 carbon atoms,
- orthophosphoric acid partially esterified with optionally alkoxylated alcohols having 1 to 22 carbon atoms in the alkyl radical or optionally alkoxylated phenol derivatives, in each

case having 0 to 30 alkyleneoxy units in the polyalkyleneoxy moiety, the remaining OH valences of the orthophosphoric acid having been subsequently alkoxylated, and

- esters of n-octylphosphonic acid which have been formally reacted twice with alcohols.

6. A liquid formulation which comprises
   (a) one or more water-insoluble active ingredients,
   (b) the surfactant/solvent system according to the invention (= component mixture (b)) as claimed in any of claims 1 to 5,
   (c) optionally further organic solvents,
   (d) optionally further surfactants and/or polymers and
   (e) optionally water.

7. The liquid formulation as claimed in claim 6, which comprises
   a) 1 to 50% by weight of pesticide active ingredients,
   b) 5 to 80% by weight of the surfactant/solvent system (b) according to the invention,
   c) 0 to 40% by weight of further organic solvents,
   d) 0 to 30% by weight of further surfactants,
   e) 0 to 20% by weight of customary formulation auxiliaries and
   f) 0 to 96% by weight of water.

8. An emulsifiable concentrate, characterized in that it comprises
   a) 10 to 40% by weight of one or more water-insoluble active ingredients,
   b) 10 to 60% by weight of the surfactant/solvent system (b) according to the invention, as claimed in any of claims 1 to 5,
   c) 5 to 35% by weight of further organic solvents,
   d) 10 to 25% by weight of further surfactants and
   e) 0 to 10% by weight of customary formulation auxiliaries.

9. The formulation as claimed in any of claims 6 to 8, characterized in that it comprises one or more active ingredients from the group of the herbicides desmedipham, phenmedipham and ethofumesate.

10. A process for the preparation of a formulation defined as claimed in any of claims 6 to 8, characterized in that the components are mixed with one another.

11. A method of controlling undesired plant growth, characterized in that an effective amount of a formulation as claimed in any of claims 6 to 9, which comprises a herbicidal active ingredient, is applied, if necessary following dilution with water, to the plants, plant parts or area where the plants grow.

12. The use of the surfactant/solvent system as claimed in claim 1 in liquid preparations of active ingredients.

13. The use as claimed in claim 12 in emulsifiable concentrates (EC).